

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	(compactor and sink\$6).clm.	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/01 10:32
L2	734	sinkage	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/01 10:32
L3	16	sinkage.clm.	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/01 10:34
L4	9	(sinkage near7 compact\$6)	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/01 10:35

**Miller, Takisha**

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**From:** PLUS  
**Sent:** Wednesday, June 01, 2005 3:39 PM  
**To:** Miller, Takisha  
**Subject:** PLUS Results for 10782299

Here are the PLUS search results for 10782299.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.

 10782299  
\_QUAL.txt

 10782299  
\_LIST.txt

 10782299  
\_WEST.txt       10782299  
\_EAST.txt

 10782299.  
east

 10782299  
\_CLS.txt

 10782299  10782299  
\_LSTITLES.\_WDS.txt

## 10782299\_LIST.txt

10782299

PLUS Search Results for S/N 10782299, Searched June 01, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6122601  
4284000  
4492156  
4554868  
4992219  
5217321  
5217322  
5243903  
5333969  
5397198  
5439313  
6000323  
6241420  
6749364  
6059932  
6059932  
4257848  
6122443  
6131383  
5016197  
3911807  
3899263  
3853053  
4273037  
4966499  
5341731  
5795097  
5823105  
6139218  
6237808  
6379082  
4314227  
4776962  
4902383  
5012857  
5217302  
5356238  
5401115  
5402667  
5483862  
5549967  
6013687  
4372726  
4557658  
5302102  
5575201  
5988541  
4273034  
4302923  
4348134

10782299\_QUAL.txt

6122601 86  
4284000 85  
4492156 85  
4554868 85  
4992219 85  
5217321 85  
5217322 85  
5243903 85  
5333969 85  
5397198 85  
5439313 85  
6000323 85  
6241420 85  
6749364 85  
6059932 75  
6059932 75  
4257848 75  
6122443 75  
6131383 75  
5016197 74  
3911807 74  
3899263 74  
3853053 74  
4273037 74  
4966499 74  
5341731 74  
5795097 74  
5823105 74  
6139218 74  
6237808 74  
6379082 74  
4314227 73  
4776962 73  
4902383 73  
5012857 73  
5217302 73  
5356238 73  
5401115 73  
5402667 73  
5483862 73  
5549967 73  
6013687 73  
4372726 73  
4557658 73  
5302102 73  
5575201 73  
5988541 73  
4273034 73  
4302923 73  
4348134 73

10782299\_WEST.txt

(6122601 4284000 4492156 4554868 4992219 5217321 5217322 5243903 5333969 5397198  
5439313 6000323 6241420 6749364 6059932 6059932 4257848 6122443 6131383 5016197  
3911807 3899263 3853053 4273037 4966499 5341731 5795097 5823105 6139218 6237808  
6379082 4314227 4776962 4902383 5012857 5217302 5356238 5401115 5402667 5483862  
5549967 6013687 4372726 4557658 5302102 5575201 5988541 4273034 4302923 4348134).pn.

10782299\_EAST.txt

(6122601  
4284000  
4492156  
4554868  
4992219  
5217321  
5217322  
5243903  
5333969  
5397198  
5439313  
6000323  
6241420  
6749364  
6059932  
6059932  
4257848  
6122443  
6131383  
5016197  
3911807  
3899263  
3853053  
4273037  
4966499  
5341731  
5795097  
5823105  
6139218  
6237808  
6379082  
4314227  
4776962  
4902383  
5012857  
5217302  
5356238  
5401115  
5402667  
5483862  
5549967  
6013687  
4372726  
4557658  
5302102  
5575201  
5988541  
4273034  
4302923  
4348134).pn.

10782299\_CLS.txt

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10782299 on June 01, 2005

Original Classifications

3 404/121  
2 100/229A  
2 100/229R  
2 202/262  
2 404/133.1  
2 404/84.1  
2 414/517

Cross-Reference Classifications

5 100/229A  
4 100/295  
3 100/902  
3 404/124  
2 53/526  
2 100/125  
2 100/145  
2 100/193  
2 100/226  
2 100/255  
2 141/390  
2 172/554  
2 201/40  
2 202/117  
2 202/248  
2 202/270  
2 301/44.1  
2 404/101  
2 404/133.2  
2 414/512

Combined Classifications

7 100/229A  
4 100/295  
3 100/229R  
3 100/902  
3 404/121  
3 404/124  
3 414/517  
2 53/526  
2 100/125  
2 100/145  
2 100/193  
2 100/226  
2 100/255  
2 141/390  
2 172/554  
2 201/40  
2 202/117  
2 202/248  
2 202/262  
2 202/270  
2 301/44.1  
2 404/101  
2 404/113  
2 404/117  
2 404/133.1  
2 404/133.2  
2 404/75

**10782299\_CLS.txt**

.2 404/84.1  
.2 414/512

10782299\_CLSTITLES.txt  
Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10782299 on June 01, 2005

- 7 100/229A (2 OR, 5 XR)  
Class 100 : PRESSES  
100/214 RECIPROCATING PRESS CONSTRUCTION  
100/229R .With transversely displaceable box,  
receptacle, or stationary platen  
100/229A ..Compressing in separable container
- 4 100/295 (0 OR, 4 XR)  
Class 100 : PRESSES  
100/295 PLATENS OR PRESSURE SURFACES
- 3 100/229R (2 OR, 1 XR)  
Class 100 : PRESSES  
100/214 RECIPROCATING PRESS CONSTRUCTION  
100/229R .With transversely displaceable box,  
receptacle, or stationary platen
- 3 100/902 (0 OR, 3 XR)  
Class 100 : PRESSES  
100/902 CAN CRUSHERS
- 3 404/121 (3 OR, 0 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/121 .Sheep foot roller
- 3 404/124 (0 OR, 3 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/122 .Rotating drum, roller or tire  
404/124 ..Roller periphery characteristics
- 3 414/517 (2 OR, 1 XR)  
Class 414 : MATERIAL OR ARTICLE HANDLING  
414/467 SELF-LOADING OR UNLOADING VEHICLES  
414/507 .Conveyor  
414/509 ..Comprising load-engaging element reciprocably  
movable parallel to generally horizontal load-supporting  
component of vehicle for ejecting load therefrom  
414/517 ...Pusher moved by ram actuated by fluid  
pressure
- 2 53/526 (0 OR, 2 XR)  
Class 053 : PACKAGE MAKING  
53/111R WITH CONTENTS TREATING  
53/113 .Reshaping  
53/523 ..Compacting or stretching  
53/526 ...Compressing with or through cover
- 2 100/125 (0 OR, 2 XR)  
Class 100 : PRESSES  
100/104 WITH DRAIN MEANS FOR EXPRESSED LIQUID  
100/110 .Drainage through or along pressure surface  
100/125 ..Fixed abutment or end wall surface
- 2 100/145 (0 OR, 2 XR)  
Class 100 : PRESSES  
100/144 CONCURRENT PRESSING AND CONVEYING  
100/145 .Helix-type compressor

10782299\_CLSTITLES.txt

2 100/193 (0 OR, 2 XR)  
Class 100 : PRESSES  
100/193 PLURAL PRESSES

2 100/226 (0 OR, 2 XR)  
Class 100 : PRESSES  
100/214 RECIPROCATING PRESS CONSTRUCTION  
100/226 .with transversely displaceable piston or  
movable platen

2 100/255 (0 OR, 2 XR)  
Class 100 : PRESSES  
100/214 RECIPROCATING PRESS CONSTRUCTION  
100/240 .Box and piston type  
100/246 ..Movable or removable box section  
100/252 ...Separable box frame sections  
100/255 ....Hinged

2 141/390 (0 OR, 2 XR)  
Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR  
RECEIVER COACTING MEANS  
141/390 INSERTED OR EXTERNAL FORM OR PROTECTOR

2 172/554 (0 OR, 2 XR)  
Class 172 : EARTH WORKING  
172/518 ROLLING, ROTATING OR ORBITALLY MOVING TOOL  
172/540 .Tool has circumferentially spaced teeth,  
tines, blades or the like  
172/554 ..Drum with axially spaced teeth or blades

2 201/40 (0 OR, 2 XR)  
Class 201 : DISTILLATION: PROCESSES, THERMOLYTIC  
201/40 ARRANGING THE CARBONACEOUS MATERIAL IN THE  
CARBONIZING ZONE

2 202/117 (0 OR, 2 XR)  
Class 202 : DISTILLATION: APPARATUS  
202/81 APPARATUS  
202/82 .Systems  
202/96 ..Thermolytic  
202/105 ...Retort  
202/117 ....Conveying

2 202/248 (0 OR, 2 XR)  
Class 202 : DISTILLATION: APPARATUS  
202/81 APPARATUS  
202/239 .Elements  
202/242 ..Closures  
202/247 ...Horizontal retort  
202/248 ....Coke-oven type

2 202/262 (2 OR, 0 XR)  
Class 202 : DISTILLATION: APPARATUS  
202/81 APPARATUS  
202/239 .Elements  
202/262 ..Feeding and discharging

2 202/270 (0 OR, 2 XR)  
Class 202 : DISTILLATION: APPARATUS  
202/81 APPARATUS  
202/270 .Accessories and details

10782299\_CLSTITLES.txt

2 301/44.1 (0 OR, 2 XR)  
Class 301 : LAND VEHICLES: WHEELS AND AXLES  
301/5.1 WHEEL  
301/41.1 .Traction increasing  
301/43 ..Projecting cleat  
301/44.1 ...Removably attached

2 404/101 (0 OR, 2 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/101 .Material distribution means

2 404/113 (1 OR, 1 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/113 .Means to agitate material

2 404/117 (1 OR, 1 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/113 .Means to agitate material  
404/117 ..Compacting roller with vibrating means

2 404/133.1 (2 OR, 0 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/133.05 .Tamper  
404/133.1 ..Manually guided

2 404/133.2 (0 OR, 2 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/133.05 .Tamper  
404/133.2 ..Attached to a disparate device

2 404/75 (1 OR, 1 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/72 PROCESS  
404/75 .In situ treatment of earth or roadway

2 404/84.1 (2 OR, 0 XR)  
Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS  
404/83 APPARATUS  
404/84.05 .Automatic control  
404/84.1 ..Of material leveling means

2 414/512 (0 OR, 2 XR)  
Class 414 : MATERIAL OR ARTICLE HANDLING  
414/467 SELF-LOADING OR UNLOADING VEHICLES  
414/507 .Conveyor  
414/509 ..Comprising load-engaging element reciprocably  
movable parallel to generally horizontal load-supporting  
component of vehicle for ejecting load therefrom  
414/512 ...Plural pushers on same vehicle

10782299\_WDS.txt

ability 6  
above 6  
abstract 1  
accelerometers 1  
acceptable 1  
accepted 1  
accomplished 1  
according 7  
acctlrcy 1  
acctlrate 2  
accumulated 2  
accuracy 3  
accurate 5  
achieved 2  
achieving 1  
acmal 3  
actual 10  
actually 5  
adding 1  
addition 12  
adequately 3  
adjacent 3  
adjustment 1  
advantageously 1  
advantages 1  
adverse 1  
affective 1  
after 6  
again 1  
against 1  
al 4  
algorithm 19  
algorithmts 1  
all 3  
allow 2  
allows 2  
also 16  
alternatively 1  
alternative 7  
alternatives 1  
although 9  
always 1  
ambient 1  
among 3  
amount 3  
an 43  
and 142  
angular 1  
another 16  
anotherjurisdiction 1  
any 8  
apart 2  
apparatus 1  
appended 1  
applicability 2  
applicable 1  
application 5  
applications 2  
applied 1  
apply 1  
appreciate 15  
approach 3  
approved 1

10782299\_WDS.txt

are 17  
area 13  
arq 1  
arrive 3  
art 20  
as 76  
ascertain 2  
aspect 10  
aspects 1  
asped 1  
asphalt 2  
asslzred 1  
assmance 1  
associated 9  
asstlrance 10  
assttrance 2  
asstzrance 3  
assumnce 1  
assumption 1  
assumptions 2  
assurance 43  
assurancce 1  
assuring 1  
asymptotic 1  
asymptotically 3  
at 25  
ategy 1  
atld 1  
attached 3  
attained 1  
authority 1  
availability 2  
available 2  
average 1  
avoid 2  
away 1  
background 1  
base 125  
based 17  
basis 1  
be 97  
bearing 1  
bearings 1  
becomes 2  
beds 2  
been 10  
before 3  
begins 1  
behind 1  
being 8  
below 4  
bench 1  
benefit 2  
benefits 1  
benetk 1  
better 4  
between 26  
board 4  
both 10  
box 3  
brief 1  
but 11  
by 47

10782299\_WDS.txt

calculate 2  
calculating 2  
calculations 1  
called 1  
can 56  
capacity 1  
carried 2  
case 6  
cases 1  
causationally 1  
caused 1  
ce 2  
central 1  
certain 5  
certified 1  
change 1  
changing 1  
characterized 2  
chassis 5  
check 2  
checks 1  
choices 1  
chosen 1  
claims 1  
clearance 10  
closely 1  
co 4  
colors 1  
combine 1  
combining 4  
come 1  
comes 1  
command 1  
common 3  
commonly 3  
compaction 1  
compact 5  
compacted 31  
compacting 17  
compaction 160  
compactive 14  
compactor 92  
compador 1  
compares 1  
comparing 1  
comparison 1  
comparisons 1  
complete 4  
completed 4  
completely 2  
completes 1  
completion 4  
complexity 1  
computer 3  
conclusions 1  
conditions 3  
confidence 2  
confinn 1  
conkol 1  
consideration 1  
considered 2  
consist 1  
conskuction 1

10782299\_WDS.txt

constlmed 1  
constmction 1  
construction 19  
constructions 1  
consumed 1  
consumption 1  
contact 6  
contemplated 1  
contemplates 5  
content 2  
context 1  
continue 1  
continuously 6  
contractor 1  
control 37  
controlling 1  
converted 1  
converter 3  
coordinate 1  
corcoran 1  
correct 2  
correlation 1  
correlations 1  
còrresponding 1  
corresponds 1  
cost 2  
costly 3  
costs 6  
could 26  
coupled 1  
covedng 1  
covering 1  
criteria 1  
critical 1  
current 5  
currently 2  
curved 2  
da 1  
damage 1  
dashed 1  
data 90  
dead 1  
decrease 6  
deemed 1  
defined 3  
défonnation 1  
defonuation 2  
deform 1  
deformation 16  
delay 2  
delayed 1  
delays 3  
delivered 9  
dens 1  
density 17  
department 1  
dependent 2  
depending 3  
depth 14  
described 2  
describes 1  
description 4  
desired 3

10782299\_WDS.txt

destructive 2  
detailed 2  
detennination 1  
detennined 1  
detenning 1  
determination 12  
determine 14  
determined 15  
determiner 6  
determines 1  
determining 19  
detlection 2  
device 5  
devices 4  
devised 1  
diagrammatic 1  
diagrrm 1  
diagrsm 1  
difference 5  
different 5  
differential 3  
dimensional 1  
direct 9  
directed 1  
disadvantages 1  
disclosure 2  
discussed 2  
display 3  
displayed 3  
displaying 1  
displays 1  
distance 9  
divided 2  
dming 1  
dnms 1  
do 1  
dòcument 1  
documented 1  
does 4  
done 3  
down 1  
downtime 2  
drawback 2  
drawbacks 1  
drawings 2  
draws 1  
drive 1  
dtlring 2  
due 5  
during 1  
dust 1  
dynamic 2  
dynnmic 2  
each 10  
earlier 1  
earth 2  
earthen 8  
earthworks 1  
easily 1  
ed 1  
effective 32  
efficiently 2  
efforts 1

10782299\_WDS.txt

either 5  
electronic 1  
electronically 1  
elevation 4  
elevational 1  
eliminated 2  
eliminates 1  
elsewhere 1  
embodiment 2  
emhwork 1  
empirical 1  
employed 1  
employee 2  
enable 1  
encompasses 1  
encountered 1  
energy 30  
engineering 1  
entire 7  
entirely 1  
environment 1  
equal 1  
equation 2  
equations 1  
equivalent 1  
error 2  
errors 1  
es 1  
estimate 1  
estimating 1  
et 1  
etc 2  
even 8  
ever 1  
every 1  
evolve 2  
example 1  
exhibiting 1  
exist 1  
exnmples 1  
expect 1  
expected 2  
expense 2  
expensive 1  
experience 2  
extensive 2  
extremely 1  
fact 1  
factoring 1  
factors 3  
failing 1  
faillzre 1  
faillzres 1  
failtlre 1  
failtlres 2  
failttrets 1  
failure 4  
feel 1  
field 2  
fig 2  
figlzre 5  
figtlre 2  
figtzre 3

10782299\_WDS.txt

figure 8  
figures 1  
final 1  
finally 3  
find 1  
finds 4  
firm 1  
firmness 1  
first 1  
flow 1  
fonnaat 1  
for 65  
form 1  
format 1  
forms 3  
forth 1  
forward 1  
foundations 2  
four 1  
fra 1  
fraction 2  
from 18  
fuel 1  
fully 1  
function 2  
functional 1  
further 8  
future 1  
gage 3  
gain 1  
gained 3  
garnered 2  
gathered 1  
gathering 1  
gears 1  
generally 1  
generate 1  
generated 2  
generates 1  
generating 3  
geotechnician 1  
geotechnician 1  
given 2  
global 2  
go 2  
goes 2  
gps 4  
graph 2  
graphical 1  
graphically 1  
gray 1  
greater 4  
grid 1  
grolmd 1  
grotmd 7  
ground 15  
grow 1  
hard 3  
harder 1  
has 12  
haste 1  
hasten 1  
have 5

10782299\_WDS.txt

having 2  
heavily 1  
heavy 4  
height 1  
hence 1  
higher 1  
homogenous 1  
hostile 1  
how 5  
however 5  
hub 1  
hundreds 1  
hydraulic 3  
identical 1  
identifying 1  
if 7  
il 1  
illustrated 3  
illustrative 1  
implemented 1  
improve 4  
in 146  
inaccurate 1  
inadequate 1  
inch 1  
inches 1  
inclinometer 1  
include 6  
includes 13  
including 4  
increase 3  
increases 3  
indicate 1  
indicates 1  
indicating 1  
indication 2  
indicative 9  
indirect 1  
industrial 1  
industry 1  
inefticiencies 1  
infonuation 1  
information 5  
infrared 1  
ing 1  
initially 1  
initiated 2  
input 4  
inputs 3  
insight 1  
insightfully 2  
inspector 1  
inspectors 1  
instance 11  
instances 5  
instnnce 1  
integer 1  
intemction 1  
intended 2  
interacting 1  
interaction 33  
interadion 1  
internal 1

10782299\_WDS.txt

into 10  
invention 55  
involved 1  
involves 1  
iowa 1  
irregular 2  
is 123  
it 16  
its 4  
itself 1  
ity 1  
jrzisdiction 1  
job 3  
jurisdiction 3  
jurisdictions 1  
known 13  
lack 1  
landfill 5  
landtill 1  
large 1  
laser 1  
lasers 1  
layer 2  
lead 1  
leads 1  
least 9  
less 8  
level 8  
lf 1  
li 1  
license 1  
lift 4  
lifted 1  
like 3  
likely 3  
limit 1  
limited 3  
line 4  
liners 1  
linked 1  
lj 1  
ln 19  
load 2  
loads 2  
located 1  
location 9  
locations 4  
long 1  
loss 1  
lt 1  
ltnown 1  
machine 13  
machines 1  
made 3  
major 1  
makes 1  
managers 1  
maneuver 1  
manner 2  
manual 1  
many 1  
map 1  
mapped 2

10782299\_WDS.txt

mark 1  
matemal 1  
material 136  
materials 4  
maximum 1  
may 14  
mction 1  
mean 1  
means 8  
measlzring 1  
meastlre 5  
meastlrement 1  
meastlring 1  
mèastzre 2  
meastzred 1  
meastzrement 1  
meastzrements 1  
meastzring 2  
measurably 1  
measure 7  
measured 5  
measurement 10  
measurements 4  
measures 2  
mèasuring 5  
meet 5  
memstlre 1  
merely 1  
merged 2  
merging 1  
method 5  
methods 1  
might 6  
mlmber 2  
mnnner 2  
moisture 1  
monitor 3  
monitored 2  
monitoring 8  
monitors 1  
more 18  
most 11  
move 1  
moves 10  
moving 8  
much 3  
mud 1  
must 6  
nature 4  
necessarily 4  
necessary 1  
necessazy 1  
need 6  
needed 2  
nevertheless 6  
next 4  
nming 1  
nmotmt 2  
nmount 1  
nmways 1  
nnmely 1  
no 5  
non 3

10782299\_WDS.txt

none 1  
normally 1  
not 18  
noted 1  
nothing 1  
now 1  
nown 1  
ntlmber 1  
nuclear 3  
number 12  
nzt 1  
nzts 1  
objects 1  
observation 1  
observations 1  
observed 1  
obtained 1  
occtlrs 1  
occtzr 1  
occur 2  
occurred 1  
occurrences 1  
occurring 1  
occurs 2  
of 258  
off 2  
often 5  
om 1  
on 32  
onboard 1  
one 22  
only 8  
operably 1  
operate 1  
operation 1  
operations 1  
operator 12  
operators 1  
opinion 1  
opposite 1  
or 49  
order 9  
orjurisdicitions 1  
other 17  
others 1  
ouality 2  
ouantifung 1  
ouantifying 1  
ouf 1  
out 13  
output 2  
outputted 1  
over 26  
overall 1  
overcoming 1  
own 1  
owned 4  
page 22  
pair 1  
pal 1  
panel 1  
parallel 1  
part 3

particular 4  
particularly 3  
pass 12  
passed 1  
passes 7  
past 1  
patent 8  
pavement 9  
pavements 1  
paver 1  
penetration 1  
penetrometer 3  
per 4  
perform 2  
performance 2  
performed 11  
performing 2  
period 1  
periodically 1  
permeability 1  
person 1  
phenomena 1  
phenomenon 1  
pi 2  
place 1  
plane 1  
pmsses 1  
portion 3  
position 10  
positioning 2  
possibly 4  
post 6  
potential 5  
potentially 1  
power 4  
powered 4  
practice 2  
practiced 2  
pre 1  
predetermined 6  
predicting 1  
predictions 1  
predictor 1  
preferably 12  
preferences 1  
preferred 5  
prescribed 8  
present 47  
pressure 3  
presumably 1  
prevent 1  
previously 1  
primary 3  
principals 1  
prior 3  
probability 1  
probably 2  
problematic 1  
proceed 5  
process 14  
processes 3  
processing 5  
processor 1

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produce 3  
produced 1  
produces 1  
product 3  
progressing 1  
programmed 1  
project 5  
promise 1  
prone 1  
proof 11  
propelled 2  
propelling 5  
properly 1  
proven 1  
provide 3  
provides 3  
purposes 2  
qualify 2  
qualitative 1  
quality 102  
quanti 1  
quantification 2  
quantified 2  
quantifies 1  
quantify 3  
quantifying 5  
quantitative 2  
quantitication 1  
quantitkation 1  
quantity 2  
quickly 1  
radar 2  
radius 41  
rarely 1  
rate 7  
rates 1  
rather 1  
ratio 2  
re 5  
reached 1  
reaches 1  
reading 1  
real 5  
realistic 2  
reasons 3  
recalling 1  
receive 1  
receiver 2  
recent 1  
reckoning 1  
recognize 6  
recognizes 10  
recorded 2  
reduce 2  
reduced 2  
reducing 2  
reduction 1  
refening 2  
reference 3  
referencing 1  
rèferring 3  
regard 3  
regarding 2

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region 2  
related 4  
relates 3  
relating 1  
relation 2  
relationship 2  
relationships 1  
relative 3  
relatively 2  
reliability 1  
reliance 2  
rely 1  
remain 1  
repair 1  
replacing 1  
representing 1  
represents 1  
require 4  
required 5  
requirement 3  
requirements 6  
requires 4  
requiring 1  
requisite 1  
resistance 5  
respect 1  
respective 1  
respectively 2  
response 6  
resting 1  
result 13  
results 3  
reflecting 1  
reveal 3  
revolution 2  
rework 2  
richness 1  
right 1  
rigidly 1  
road 3  
robust 1  
robustness 1  
roller 47  
rollers 13  
rolling 21  
rotatably 2  
rotation 4  
rotational 2  
rotations 1  
rs 3  
rtzt 1  
rut 10  
ruts 1  
said 2  
same 6  
satellite 1  
satisfactorily 2  
satisfy 1  
scales 1  
schematic 1  
schematically 1  
scope 1  
second 2

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secondary 2  
seeks 1  
self 2  
sense 3  
sensed 1  
sensing 3  
sensor 9  
sensors 16  
sent 1  
separate 1  
set 4  
sets 2  
should 3  
showing 2  
shown 5  
shows 2  
side 3  
sight 1  
signals 1  
signitkant 1  
similar 1  
simple 1  
simpler 1  
since 2  
single 3  
sinkage 28  
site 2  
six 1  
skategy 1  
skill 1  
skilled 20  
slzrface 2  
small 4  
smaller 2  
smooth 9  
smoothing 1  
snme 3  
so 5  
soft 4  
soil 5  
solely 1  
solid 2  
some 16  
sometimes 1  
somewhere 2  
sonic 1  
specifications 3  
specifikations 1  
specitkations 2  
speed 15  
spot 2  
stage 2  
standards 1  
start 2  
state 33  
stated 1  
static 1  
statically 1  
station 1  
status 5  
step 4  
still 6  
stlrface 3

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stnzcmre 1  
storage 1  
stored 1  
strategies 4  
strategy 8  
strength 2  
strongly 1  
structure 5  
structures 2  
study 1  
stuwunding 1  
subject 2  
subsequent 1  
substantial 3  
substantially 3  
substimte 1  
success 1  
successive 3  
such 19  
suffer 1  
suggests 1  
suitable 2  
suitably 1  
suited 1  
summary 1  
support 9  
supported 2  
supporting 1  
supports 1  
supposedly 2  
surface 10  
surfaces 1  
survey 1  
symbiotic 1  
symbiotically 1  
system 13  
systems 2  
take 6  
taking 1  
taught 4  
teaches 2  
technician 1  
technique 4  
techniques 3  
technology 1  
teclmical 1  
teclmique 1  
teclmiques 1  
teehniques 1  
telemetry 1  
temperatures 2  
test 38  
tested 1  
testing 6  
tests 2  
than 18  
that 75  
the 602  
their 3  
themselves 2  
then 7  
there 10  
thereby 1

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therefore 1  
these 11  
thickness 5  
third 2  
this 32  
those 20  
thousands 1  
three 2  
threshold 4  
through 3  
thus 13  
time 13  
tionary 1  
tip 1  
tipped 9  
tips 3  
tllis 1  
tlow 2  
tliquid 1  
tlux 1  
tmcompacted 1  
tmder 1  
tmdergoing 1  
tmit 1  
tmtill 1  
tnle 1  
to 186  
today 1  
topography 1  
torque 6  
total 2  
toward 1  
towed 4  
transducers 3  
transfer 3  
transferred 1  
transfonus 1  
transformed 1  
transportation 1  
travel 2  
traveled 1  
traveling 1  
traverse 1  
troxler 1  
truck 3  
true 1  
twalk 1  
two 9  
type 2  
types 1  
typically 4  
ud 1  
under 1  
undergone 1  
underlying 3  
understood 1  
undetoded 1  
unfortunately 1  
unit 3  
unsatisfactory 1  
until 3  
up 1  
upon 19

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urn 1  
use 8  
used 15  
useful 1  
uses 2  
using 19  
usually 1  
utilize 3  
utilizes 2  
utilizing 2  
valid 1  
validate 1  
validated 2  
value 9  
values 2  
variability 1  
variable 2  
variety 4  
various 3  
vary 1  
vehicles 1  
velocity 1  
verification 1  
version 1  
versions 1  
very 5  
via 7  
vibration 2  
vibrational 1  
view 3  
views 1  
virtually 1  
visual 1  
voltlme 1  
volume 1  
wait 1  
waiting 7  
walk 11  
waste 10  
way 2  
ways 5  
weight 4  
weights 1  
well 6  
what 7  
wheel 6  
wheels 1  
when 22  
where 7  
whether 2  
which 11  
while 6  
wide 1  
width 2  
will 45  
wind 1  
with 37  
within 1  
without 5  
withstand 1  
words 6  
work 1  
works 1

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would 14  
written 1  
yards 1  
years 1  
yes 1